The Marker Lamp

Volume 58 Number 4 Fall 2012

This Is Your Last Issue Of The *Marker Lamp*

In Print

May 29 - June 2, 2013

In This Issue

President's Message	3
Gulf Coast Limited Highlights	4
Pass Exchange	6
Petticoat Junction	6
Synthetic Rubber Plants	7
Secretary/Treasurer's Report	9
Up The Track	10
Directors' Reports	12

The Marker Lamp

The Official Publication of
The Lone Star Region of The
National Model
Railroad Association

Volume 58, Number 4

EDITOR
CHUCK LIND
3680 CR 324
Navasota, Texas 77868
(979) 219-3305
E-mail: chucklind46@gmail.com

ADVERTISING &
MAILING LIST
TOM BROWNING, MMR
5923 Overdowns Circle
Dallas, Texas 75230-4039
(214) 692-9784
E-mail: thomascb2004@yahoo.com

Visit the LSR's web page at:
www.lonestarregion.com

The editorial policy of **The Marker Lamp**, the official publication of **The Lone Star Region**, shall be to contribute, wherever possible, to the promotion, growth and understanding of the hobby of Model Railroading, within the confines of good taste and responsibility.

The Marker Lamp is published once each quarter by and for the members of **The Lone Star Region** of **The National Model Railroad Association**.

Articles appearing in **The Marker Lamp** are the opinions of the authors and do not necessarily reflect the position or policies of the officers or membership of **The Lone Star Region** or **The National Model Railroad Association**.

Address all correspondence, news, photos and drawings to the editor. All material will be gladly accepted and will be used depending on the availability of space and suitability of material. None will be returned unless a stamped, self-addressed envelope is provided.

Correspondence relating to Pike Ads, Dealer Ads, Address Changes and requests for extra copies should be addressed to **Tom Browning, MMR**
5923 Overdowns Circle
Dallas, Texas 75230-4039
(214) 692-9784

Submission Deadlines &
Advertising Closing Dates

Winter Issue.....January 15
Spring Issue .....April 15
Summer Issue.....July 15
Fall Issue.....October 15

Mailing Date:
Approx. 30 Days After Deadline.
Materials received after the deadline will be held for the next issue unless the author requests otherwise.

Lone Star Region Call Board

LSR Officers

PRESIDENT
BILL MCPHERSON
4402 Vista Creek Drive
Rowlett, Texas 75088-1818
(972) 463-9721
E-mail: tpbill@attglobal.net

VICE-PRESIDENT
BOB BARNETT
2925 Plumb Street
Houston, Texas 77005
(713) 660`8820
E-mail:rbarnett@hrgreen.com

SECRETARY-TREASURER
TOM BROWNING, MMR
5923 Overdowns Circle
Dallas, Texas 75230-4039
(214) 692-9784
E-mail: thomascb2004@yahoo.com

BOARD ADVISOR
GERALD SCHOENBERG, MMR
1039 Clinton Street
Carrollton, Texas 75007-4828
(972) 242-9053
E-mail: arrjerry@aol.com

SECRETARY-EMERITUS
EUNICE LINDA
3028 Cumberland
Waco, Texas 76707-1219
(254) 754-5535
E-mail: jlinda@hot.rr.com

LSR Directors-At-Large

DIRECTOR-AT-LARGE
DUANE RICHARDSON, MMR
1122 Holland Drive
Garland, Texas 75040
(972) 495-6375 E-mail:
duane@purgatoryanddevilriver.com

DIRECTOR-AT-LARGE
TRACY MITCHELL, MMR
12018 Troulon
Houston, Texas 77072-4032
(281) 495-1669
E-mail: traymit@comcast.net

DIRECTOR-AT-LARGE
ART HOUSTON
209 Sugar Highland Blvd.
Houma, Louisiana 70360
(504) 723-9290
E-mail: ahouston3@charter.net

LSR Division Directors

COWCATCHER DIVISION (1)
CHRIS ATKINS
1633 Parkside Trail
Lewisville, Texas 75077
(214) 222-1285
E-mail: chris@railroadermodelers.com

BAYOU DIVISION (2)
ROD FREDERICKS
640 Chippenham Dr.
Baton Rouge, Louisiana 70808
(225) 766-8014
E-mail:fredericks.rod@gmail.com

TRINITY RIVER DIVISION (3)
JERRY HOVERSON, MMR
1900 Spring Blossom Ct.
McKinney, Texas 75070
(972) 540-5315
E-mail: jhoverson@tx.rr.com

CEN-TEX DIVISION (4)
JACK MERKEL
2408 Whitewater Dr.
Bertram, Texas 78605
(512) 355-3289
E-mail: ElmerMerk@aol.com

DIVISION (5)
DAVE LAMBERTS
3717 95th Street
Lubbock, Texas 79423-3811
(806) 792-7244
E-mail: DavidWL1944@aol.com

DIVISION (6)
TOM CROSTHWAIT
5922 Forest Ledge
San Antonio, Texas 78240
(210) 647-3261
E-mail: t.crosthwait@sbcglobal.net

DIVISION (7)
DON P. KIMMELL
9132 Mansfield Road
Shreveport, Louisiana 71118
(318) 798-7718
E-mail: elf4kcs@mac.com

TEXAS GULF DIVISION (8)
LESLIE BODAK
16323 Mill Point Dr.
Houston, Texas 77059
(281) 486-0709
E-mail: lbjbodak@gmail.com

LSR Chairs

ACHIEVEMENT PROGRAM
AL BOOS, MMR
130 Surrey Lane
Universal City, Texas 78148
(210) 658-4548
E-mail: AandVBoos3@aol.com

PUBLICATIONS/EDITOR
CHUCK LIND, MMR
3680 CR 324
Navasota, Texas 77868
(979) 219-3305
E-mail:chucklind46@gmail.com

CONTEST
DUANE RICHARDSON, MMR
1122 Holland Drive
Garland, Texas 75040
(972) 495-6375 E-mail:
duane@purgatoryanddevilriver.com

CONVENTION
BILL MCPHERSON
4402 Vista Creek Drive
Rowlett, Texas 75088-1818
(972) 463-9721
E-mail: tpbill@attglobal.net

HISTORIAN
JIM LONG, MMR
2404 Creek Ridge
Pearland, Texas 77581-5728
(281) 482-4987
E-mail: (none)

DISPATCHER
MATTHEW LATHAM
2320 Hickory Leaf Lane
Flower Mound, Texas 75022-4945
(972) 358-6168
E-mail: wnrailway@yahoo.com

EVENTS
BILL DRYDEN
1411 Briar Hill Drive
Georgetown, Texas 78626
(469) 964-8571
E-mail: bdr149@airmail.net

WEB SITE
DUANE RICHARDSON, MMR
1122 Holland Drive
Garland, Texas 75040
(972) 495-6375 E-mail:
duane@purgatoryanddevilriver.com

NOMINATIONS
STEVE BARKLEY
2060 Belvedere Drive
Beaumont, Texas 77706
(210) 653-5947
E-mail: baylormax@aol.com

MEMBERSHIP CO-CHAIRMAN
LARRY SWIGERT
6548 Clearhaven Circle
Dallas, Texas 75248
(972) 239-0909
E-mail: LS4Results@aol.com

EDUCATIONAL CHAIR
TRACY MITCHELL, MMR
12018 Troulon
Houston, Texas 77072-4032
(281) 495-1669
E-mail: traymit@comcast.net

PHOTOGRAPHY CHAIR
DAVE LAMBERTS
3717 95th Street
Lubbock, Texas 79423-3811
(806) 792-7244
E-mail: DavidWL1944@aol.com

MEMBERSHIP CO-CHAIRMAN
MIKE JOBE
418 Houston Street
Royse City, Texas 75189
(972) 635-9501
E-mail: michaeljobe@hotmail.com

NON-RAIL
VIRGINIA FREITAG
1835 Alta Vista
Houston, Texas 77023-2503
(713) 926-2993
E-mail: v-gfreitag@comcast.net

YOUTH/PARLIAMENTARIAN
Bob Mangrum, PhD
112 Broken Arrow St.
Early, Texas 76802-2531
(325) 643-1219
E-mail: rmangrum@hputx.edu

President's Message

by Bill McPherson

This is the last time you can hold a copy of *The Marker Lamp* in its currently printed format since it will be available only on the internet web site in the future. To me there is something uniquely significant about an item that you can actually hold and keep instead of an image that is fleeting. Yes, you can print a copy from the internet but somehow that may not be the same. Unfortunately nowadays, treasured things are changed because of financial considerations.

The articles, pictures, advertisements and other features of *The Marker Lamp* will be available quarterly on the LSR web site at www.lonestarregion.com. Check there in February, May, August, and November for the latest issues. Also, watch for your annual LSR ballot for officers and directors in your postal mail in late January. Please vote and thank those who volunteer to serve our divisions and region.

For the past 12 years we have been so fortunate that Chuck Lind has been the editor of *The Marker Lamp*. Every issue has contained informative and entertaining articles, mostly written by LSR members, which Chuck has formatted into the magazine publication layout, an essential time-consuming process, and has assured that the issues go out on time. Chuck has notified me that he will be retiring from this editorship shortly. Please join me in telling Chuck how much you appreciate his years of excellent service to the LSR.

Right now preliminary information about the 2013 Dallas Fort Worth Metroplex *Lone Star Express* Convention can be viewed on the *new* LSR convention web site www.lonestarexpress2013.com. This will be from May 29 to June 2, 2013. Throughout the next months additional information will be posted, so check the web site frequently. By January, as the complete details are being finalized, you will be able to get complete information about the exciting new clinics, layouts and special activities. Convention registration will be via primarily the internet, but you can download the form and mail it to the registrar.

This 2013 *Lone Star Express* Convention will feature special emphasis on "Operations" to introduce this exciting experience in model railroading to more people. We will have clinics on introduction to operations, and hands-on operating layouts at the hotel. For more intensive operating experiences, many home and club layouts will be available on an extended multi-day schedule.

In my opinion, operations has been the most significant driving force for the explosive new interest in model railroading. Thanks in part to the development of a reliable electrical system, called DCC, whereby several locomotives can be controlled separately on a short section of track, it became practical to "operate" our model trains with a purpose just like the real railroads do. Outgrowths from this have been regularly scheduled operating sessions on local layouts and multi-city operation sessions, such as the Dallas-Houston-Tulsa Interchange or Hog Rails in Arkansas, which last over a weekend. These sessions provide wonderful opportunities to really get to know about other modelers' work and to develop long-lasting friendships with railroaders from all over the country.

The National Model Railroad Association Board of Directors has initiated a review of the 2006 Strategic Plan. They have requested input from the membership about their thoughts and ideas as to where the NMRA should be going and what they would like to see the NMRA become over the next five years. Specifically, input is desired in these areas: membership, education, communications, organizational structure, general administration, conventions, financial, public involvement, standards, and association publications. The LSR will provide representatives to serve on the Strategic Plan Committee which will analyze the comments and then develop the new goals and objectives for achievement of the new Strategic Plan.

NEWS FLASH

We have a new editor for the *Marker Lamp*. I have contacted and Riley Triggs from Division 4 has accepted the position as editor. Riley's email address is riley@austin.rr.com. He works at The University of Texas and will bring writing and publishing experience as well as skills in computer publishing, welcome aboard.

View from the Spar Pole

By Chuck Lind, MMR

Laurie and I have just returned from the National Narrow Gauge Convention in Seattle, Washington. We made several stops along the way … Chama, Arches National Park, The Sumpter Valley Railroad, and a cruise to Alaska. While in Alaska, we road the White Pass & Yukon, as well as the Alaska Railroad to Denali National Park. Four weeks and many miles later we are back home trying to get back to a normal schedule.

As many of you know Craig Brantley, Eddie Carroll and I will be hosting the 2015 National Narrow Gauge Convention in Houston. After much thought I decided to resign as editor of the *Marker Lamp* after 12 years and let someone with more digital publishing experience move the Region into the digital age. After meeting with the Seattle Convention Committee I feel that my time over the next 3 years will become much busier as we work on planning and organizing the National Convention for Houston.

I also have a layout to finish before the 2015 convention so my time in the railroad room is becoming much busier. I have finished most of the trackwork on the upper Narrow Gauge level but still have the lower level to go. Next step will be complete the wiring and adding switch machines then on to the fun stuff…doing the scenery.

I have enjoyed the past 12 years as your editor and working with the many folks that supplied me with articles and news released for the *Marker Lamp*. Please welcome our new editor Riley Triggs. I will be meeting with him and giving him some of the unpublished articles that I have, helping him to make this as smooth a transition as possible. See you all in June at the LSR Regional Convention.

Lone Star Region 62nd Annual Convention

The Lone Star Region NMRA Convention will be held

Wednesday May 29th to Sunday June 2nd 2013

Sheraton Hotel, in Irving, Texas

Layout Tours

Prototype Tours

Clinics with emphasis on

Operation

from beginner to expert

Lots of layouts for operation

Lone Star Region 62nd Annual Convention

We are excited to invite NMRA members to the 2013 Lone Star Region Convention to be held May 29 to June 2, 2013 in Dallas/Fort Worth, Texas. Your first order of business is to bookmark our convention web site, www.lonestarexpress2013.com so you can monitor our site for information on the convention.

Operations is the theme of this years convention. Guests will have a number of opportunities to operate on some of the best layouts in the area. Those include James Peterson's Gulf, Colorado & Santa Fe, Jerry Hoverson's Rocky Mountain Central, Chip Romig's Colorado & Silver River and Jim Norwood's Kansas City Southern just for starters. In addition, folks who are early to register will have a chance to operate on Jack Haskin's Able Springs and North Texas live steam railroad located near Terrill, Texas.

But wait, folks who are new to operations or have never operated before won't be left behind. Our clinic sessions will include several sessions on operating systems. Guests can then go down to our layout room and practice what they have learned on several switching layouts which will be available to apply what you have learned in your clinic setting. This is a first for Lone Star Region conventions and we believe the layout room will become a popular gathering place for guests throughout the event.

In addition to clinics on operations, guests will have a number of great clinics to attend throughout the entire convention. Presenters will include Steve Amitrano on weathering steam locomotives, Mike Jobe on scratch building structures, an extended make and take clinic session by Duane Richardson on laser cut structures along and Don Winn presenting an extended clinic on building your own turnout using a Fast Tracks jig. As in 2009, we are working to include some visiting clinicians from the Kansas City area.

A number of the best layouts in the area will be open for touring during the convention. For those who prefer to leave the driving to someone else, plans are place to make available several smaller capacity buses leaving the hotel on a staggered start basis. By using smaller buses, we expect to minimize your down time while waiting on the entire group to complete their visit. But, the number of seats will be limited so be sure to register early to insure your place on the Stress Free Layout Tour!

Larry Swigert, our man who knows the men who open doors is working quietly on prototype tour opportunities. We expect to offer some of your familiar favorites and with a bit of luck and some persuasion by Larry, we might just might have one or two new places to visit. As we all know, visiting key transportation sites is becoming more and more difficult due to security and liability concerns. So you will have to watch our web site, www.lonestarexpress2013.com for updates as they are announced.

Laurie Lind, our non-rail chair is working on activities to keep our non-rail guests busy. In addition to the always-welcomed social activities, Laurie is working on a clinic to discuss how to value the family's model railroad collection. Non-rails will also be visiting the Fort Worth Botanical Gardens and plans are underway to repeat the visit to the Delaney Vineyard in Grapevine, Texas.

One of the highlights of the 2013 Lone Star Region Convention will be our visit on Thursday afternoon to the new home of the Museum of the American Railroad in Frisco, Texas. The Museum has already started the relocation of its collection from its 1.8-acre site at Fair Park in Dallas to a new 12.5-acre site near the Frisco Heritage Museum. Our group visit is expected to offer guests personalized tours of the Museum's historic collection.

Duane Richardson has a separate article on this years special contest theme, A Model in a Shoebox. So see his column for details on the always-popular contest room.

Another new feature of this year's convention will be your own Convention Concierge. Steve and Amy Willis will be available during the convention to offer suggestions on local restaurants, shopping opportunities and in general be there to help you enjoy your visit to Dallas/Fort Worth!

Guests will want to be sure to attend the Saturday evening closing banquet with guest speaker, Al Harper. Al is the Chairman and Chief Executive Officer of American Heritage Railways. American Heritage owns and operates the Durango & Silverton Railroad, the Great Smokey Mountain Railroad and Rail Events, Incorporated. Al has more than 40 years of business experience, primarily in the areas of real estate sales and management, development, rail transportation and tourism.

As in 2009, the Sheraton Grand-DFW located in Irving, Texas, will host the convention. Guests will enjoy a room rate of $96.00 plus tax per night during the convention. This special convention rate is available to all who register before May 15th. Just call the Sheraton reservations line at 800-345-5251

and ask for the Lone Star Convention Registration special rate. And here is the best part! With the decision of the LSR Board of Directors to convert the Marker Lamp from a printed to digital publication, the need for the convention to generate funds to support a printed publication have been removed. This has allowed the convention committee to give back a little bit of money to guests in the form of reduced registration fees. Registration for the 2013 Lone Star Region convention will be $89.00 for the first guest and a reduced rate of $59.00 for spouses, significant others or other family members whose registration is submitted together!

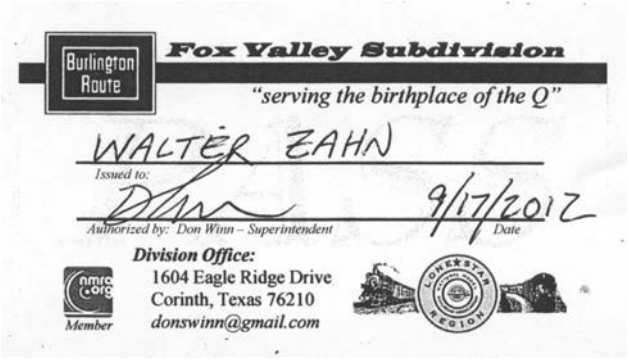
So remember, bookmark the convention website, www.lonestarexpress2013.com and watch for updates, registration information and details on this years convention.

Pass Exchange

There seems to be an interest in the Lone Star Region to bring the Pass Exchange program back to life. Walter Zahn has decided to work on renewing interest in this program. If you are interested in participating please send him 2 samples of your pass and in return you will get a pass and a list of Active pass exchangers. Walter will review the passes and send a pass of the quarter that will be displayed in *The Marker Lamp*.

Please help Walter get this program moving again. Send your passes to: Walter Zahn
3309 Point East Drive
Mesquite, Texas 75150-2645

PASS of the Quarter



PASS of the quarter is for the Burlington Route, Fox Valley Subdivision sent in by Don Winn, 1604 Eagle Ridge Drive, Corinth, Texas 76210. The Pass is printed on quality card stock with rounded corners and both National and Region logos.

Submit your PASS to Walter and you could be featured as the next PASS of the Quarter.

LADIES ONLY!
Petticoat Junction

Planning activities for the LSR convention has its advantages. Last weekend I took a trip to the Ft. Worth Botanical Gardens. WOW! We are going to have such a great time. (Now, in June we won't have the added advantage of the Fall Plant Sale, but…..) The trails are easy to walk, with quite spots to sit and visit and rest. The water features are outstanding. And the Garden Café has excellent choices at reasonable prices.

I've started gathering materials for our clinics. The book bag clinic has started out with a bang. I found a treasure of fabrics at an estate sale this weekend. Please start collecting buttons to sew onto the bags for decorations.

And about our clinics…..I have not received any recipes from you for our cookbook. You can just scan them and email them to me (or send them by snail mail).

Laurie Lind
2680 CR 324
Navasota TX 77868
Laurielind46@gmail.com

Company Store Inventory as of January 15, 2012

All cars sold out.

Other items available

Cloth Region Patches $5.00 each (Only LSR Life – 35 avail.)
Auto/Window Region Decal $ .50 (1 avail.)
N Scale (13 avail.) Nevadun Decals $2.00 per sheet
HO Scale (8 avail.) & N Scale (22 avail.) Daw Cha Southern Decals $3.00 per sheet

Shipping

Please add $1.00 for patches and decals
Matthew Latham, Dispatcher
2320 Hickory Leaf Lane
Flower Mound, TX 75022-4945
972-358-6168
E-mail: wnrailway@yahoo.com

Two New Webmasters

The LSR has two new webmasters. Chris Atkins and Jeff Palmer. They will be taking over the website that was started and kept up for many years under Duaine Richardson. Chris can be reached at 214-222-1285 or Email: chris@railroadmodelers.com Jeff can be reached at 972-494-2097 or Email: res06wqv@gte.net.

Synthetic Rubber Plants

by Jack Merkel

Synthetic rubber plants are good industries to model for your railroad. They have a lot of inbound and outbound rail traffic as will be described below.

History

When the European explorers came to Central and South America in the 1500's, they found the Indians using rubber balls and other rubber articles. These were made from natural rubber obtained from trees. This rubber was not vulcanized so it had limited properties.

Charles Goodyear discovered vulcanization in 1839 when he accidentally spilled a rubber/sulfur mixture onto a hot stove. Vulcanization significantly improved the properties of rubber.

R.W. Thomson developed the concept of the pneumatic tire in 1845. John Dunlop improved on Thomson's invention and obtained a patent for the pneumatic tire in 1888. Dunlop made the first pneumatic tires to replace the solid rubber tires on his son's tricycle so it would ride more comfortably. Sixty five percent of all rubber is consumed in tires.

Synthetic Rubber Plants

By the beginning of WWI, tires were a key item for the military. The natural rubber supply for Germany was cut off during the war. After WWI, German scientists and engineers began developing a synthetic rubber to replace natural rubber. They developed BunaS and BunaN. Bu is short for butadiene (a comonomer), na is short for sodium (the catalyst) and S is short for styrene (a comonomer), N is short for acrylonitrile (a comonomer). BunaS is known today as SBR (styrene butadiene rubber) and BunaN is Nitrile rubber.

At the beginning of WWII, tires were made from natural rubber. The USA supply of natural rubber was cutoff early 1942. The consumption of natural rubber in the USA in 1940 was 650,000 tons. On July 1, 1942, a total of 630,000 tons of natural rubber was in the USA or on the way to it. The production of synthetic rubber was 8383 tons in 1941. Rubber was vital to the war effort. A tank consumed 1 ton of rubber, an airplane 0.5 ton, a battleship 75 tons, a soldier 32 pounds.

Rubber Reserve Program

The Rubber Reserve Program was established in 1940 in the USA to accumulate and stockpile natural rubber and to develop synthetic rubber production. It pooled all the available scientific knowledge, engineering experience, patents and other know-how from industry, universities and government. Industry included oil companies, chemical companies and rubber companies. For all practical purposes, we had no experience in natural rubber substitutes, no commercial supply capable of being expanded and no way for our nation to continue without creation of entirely new industry of a nature and magnitude never before known.

Key questions included what was the best synthetic rubber for tires, how should it be produced, how should the monomers be produced, and how should the rubber be compounded.

During the 1930's, the Standard Oil Company of New Jersey (SONJ) (now ExxonMobil) had been working with IG Farben, a German company, during the peacetime between WWI and WWII. They formed a joint company called JASCO (Joint American Study Company). Through this mechanism, SONJ had obtained patent rights and knowledge of certain aspects of synthetic rubber production. This was part of the pooling of knowledge under the rubber reserve program.

SBR was selected as the best potential rubber for tires. SBR is 75% butadiene and 25% styrene. There was no commercial production of butadiene. Some routes were dehydration of butylenes and from alcohol. Butylenes were produced in refineries via the cat cracking process and alcohol was produced in distilleries by grain fermentation. The alcohol route was much more expensive but was used while the butylene route was being developed. Styrene was in commercial production by Dow for plastics. Twelve major butadiene plants were built in 1942 - 1944. Ten were based on refinery C4's and two based on alcohol. Eight styrene plants of the Dow design were built.

A standard 30,000 ton/year SBR design was developed. This design included complete facilities from liquid raw material storage to final warehousing of baled rubber. The program built 30 of these standard plants in twelve locations. The first plant came on line by Copolymer in April 1943 in Baton Rouge. It was built in 143 days.

The Rubber Reserve Program built 51 plants. Most of these came on stream in 1943. Synthetic rubber production was: 1941 - 8.4kt, 1942 - 22.4 kt, 1943 - 232 kt, 1944 – 753 kt, and 1000 kt rate at the end of the war. Natural rubber consumption was 650 kt in 1940. The plants were all sold to the highest bidder in 1955. Most of these were bought by the plant operator. Many of these plants have been expanded and continue in operation to this day.

Several other synthetic rubbers are also commercially produced today and they include polybutadiene (PBD), Neoprene, Ethylene Propylene Diene Monomer (EPDM), Nitrile, polyisoprene, etc. Synthetic rubber production in 2010 was 2458 kt in North America and 14,207 kt worldwide. A sampling of synthetic rubber plants located along the Gulf Coast in 1985 is listed in Table 1.

Butyl Rubber

Butyl rubber is a copolymer of 98% isobutylene and 2% isoprene. It was invented by two SONJ scientists, Bill Sparks and Bob Thomas, in 1937. Butyl holds air 10 times better than other rubbers and so the main end use was in inner tubes and later a halogenated version became the innerliner for tubeless tires. This technology was part of the rubber reserve program. Two plants were built – one in Baytown, TX and the other in Baton Rouge, LA.

The process for manufacturing Butyl rubber is very complex. The polymerization takes place at -170 deg F. Isobutylene and isoprene are mixed with a diluent, methyl chloride, and chilled to -170 deg F. A large cascade ethylene/

propane refrigeration system is used to chill the feed and reactors. The chilled feed mixture is sent to a reactor and a catalyst, aluminum chloride, initiates the reaction. The reaction generates heat which is removed by the refrigeration system. The reactor slurry is fed to a flash tank where it is heated by steam and the diluent methyl chloride is vaporized along with unreacted monomers. The butyl rubber is coagulated in hot water slurry. The diluent and unreacted monomers are recycled through a drying system and fractionation towers to separate high purity diluent and monomers for recycle to the feed system.

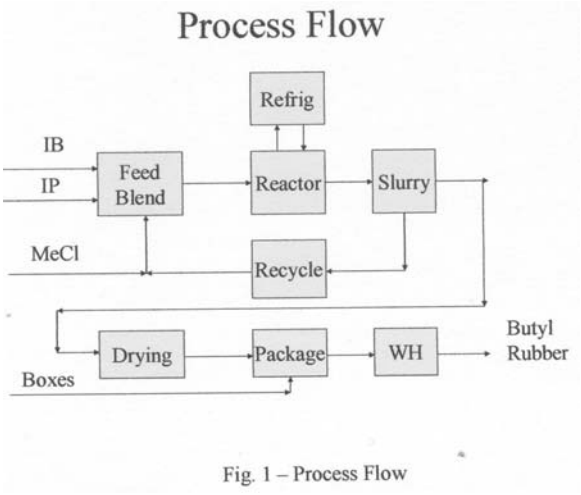


Fig. 1 – Process Flow

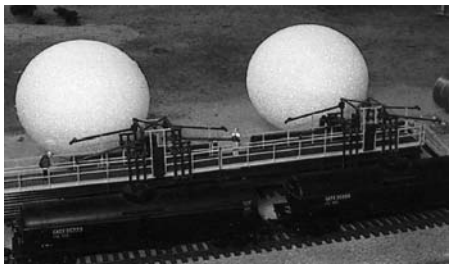
The rubber water slurry is sent to a finishing building were the rubber is separated and dried and the water recycled to the polymerization unit. The dry rubber is formed into 75 lb bales, wrapped in polyethylene and packaged into 2025 lb boxes. These palletized boxes are stored in a warehouse and shipped

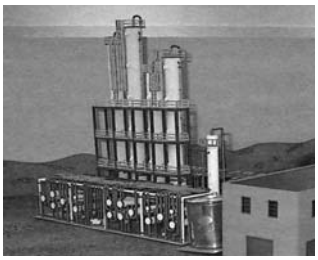
to tire plants in box cars. See the process flow diagram in Figure 1 and a distant photo in Figure 2.

Butyl Rubber Plant Model

A model of a butyl rubber plant will have four major areas – raw material unloading and storage, polymerization, finishing and product warehouse.

The raw material unloading and storage area (Fig. 3) was built from Walther's tank car unloading kits and styrene foam spherical balls. Isobutylene is shipped in tank cars and stored in moderate pressure spheres. Isoprene is shipped in tank cars and stored in low pressure vessels. Methyl chloride is shipped in tank cars and stored in high pressure vessels. Cardboard boxes are shipped in box cars and stored in a warehouse.





The polymerization process (Fig. 4) consists of reactors,distillation towers, heat exchangers, pressure vessels and compressors. I built mine from the heat exchanger parts from two Walther's refinery kits. The distillation towers were scratch built from dowels and the platforms and ladders were built from styrene parts.

The finishing process is located inside a building (left building in Fig. 5) that was built from styrene. The product warehouse (right building in Fig. 5) was built from Walther's building kit parts.

Car cards and waybills are used for all car movements. Table 2 lists inbound and outbound waybill information. The actual butyl plant was located in Baytown, TX but is modeled in Brenham, TX on my railroad. My era is 1961, so company names are those used in that year.

Item	Shipper	Location	Receiver	Location
Isobutylene	Enjay Chemical	Baton Rouge, LA	Enjay Butyl Co.	Brenham, TX
Isoprene	Enjay Chemical	Baton Rouge, LA	Enjay Butyl Co.	Brenham, TX
Methyl Chloride	Dow	Placqamine, LA	Enjay Butyl Co.	Brenham, TX
Cardboard Boxes	Gaylord Paper	Houston, TX	Enjay Butyl Co.	Brenham, TX
Butyl Rubber	Enjay Butyl Co.	Brenham, TX	Goodyear Tire	Gadsden, AL
Butyl Rubber	Enjay Butyl Co.	Brenham, TX	Goodrich Tire	Miami, OK
Butyl Rubber	Enjay Butyl Co.	Brenham, TX	Cooper Tire	Clarksdale, MS
Butyl Rubber	Enjay Butyl Co.	Brenham, TX	Cupples	St. Louis, MO
Butyl Rubber	Enjay Butyl Co.	Brenham, TX	Firestone Tire	Russellville, AR
Butyl Rubber	Enjay Butyl Co.	Brenham, TX	Pirelli Tire	Little Rock, AR
Butyl Rubber	Enjay Butyl Co.	Brenham, TX	Robbins Tire	Tuscumbia, AL

Table 2 – Waybill Information

Other Synthetic Rubber Plant Models

Models of other synthetic rubber plants (SBR, Nitrile, PBD, EPDM, Neoprene, etc) would be similar. Adjustments would be made for different raw materials and different product shipments.

Sources

World War II Synthetic Rubber Program – Rubber Division, American Chemical Society July 1979

World Book Encyclopedia
Rubberstudy.com/statistics

Butyl – The First Fifty Years – Andrew Purcell and James Fusco

Synthetic Rubber – The Story of an Industry – International Institute of Synthetic Rubber Producers. (IISRP)

Worldwide Rubber Statistics – January 1985 - IISRP

Secretary/Treasurer's Report

by Tom Browning

For the First Fiscal Quarter of 2012/2013

Beginning Balance 05/01/2012	
LSR Checking Account	$2,231.76
Vanguard CD Fund	$22,264.88
Vanguard Convention Fund	$9,001.22
Acct receivable for 2013 Convention	$1,000.00
Total LSR Net Worth	**$34,497.86**
Not included in Total LSR Net Worth	
Funds Held For Division 1	*$3,400.50*
Funds Held For Division 3	*$1,450.89*
Funds Held For Division 4	*$3,754.29*
Funds Held For Zahn Donation	*$400.00**

LSR Proceeds		
Vanguard CD Fund Interest	$2.41	
Vanguard Convention Fund Interest	$1.03	
Dealer Ads	$20.00	
Total Proceeds	**$23.44**	
LSR Disbursements		
Youth Membership Program	$32.00	
Marker Lamp Printing and Postage	$1,483.50	
Contest Expenses	$423.52	
Achievement Program Expenses	$7.51	
Website Expense	$59.50	
Memorial Donation	$150.00	
Total Disbursements	**$2,156.03**	
Net Proceeds/ Disbursements		**-$2,132.59**

Ending Balance 07/31/2012	
LSR Checking Accounts Total	$95.73
Vanguard CD Fund	$21,268.86
Vanguard Convention Fund	$10,000.68
Acct receivable for 2013 Convention	$1,000.00
Total LSR Net Worth	**$32,365.27**
Not included in Total LSR Net Worth	
Funds Held For Division 1	*$3,400.50*
Funds Held For Division 3	*$1,566.89*
Funds Held For Division 4	*$3,754.29*
Funds Held For Zahn Donation	*$400.00**

* These funds are restricted and will become unrestricted at $200.00 per year to comply with terms of donation.

At the beginning of May 2012 the membership was 1,070 and at the end of August 2012 the membership was 1,035. Please welcome our new members listed below:

May 2012
Patrick Trinkle, Benbrook, TX - 1
john Gondol, Holly Lake Ranch, TX - 3
Timothy Snyder, Manor, TX -4
William Lohman, Austin, TX - 4
Randolph Hoover, Houston, TX - 8

June 2012
Luke Broussard, Early, TX - 1
Gene Forsythe, Wichita Falls, TX - 1
Duston Lambert, Ft. Worth, TX - 1
Ron White, Hurst, TX - 1
William Adams, Baton Rouge, LA - 2
Patrick Darby, Covington, LA - 2
John Hanson, Carencro, LA -2
Mike Walsdorf, Covington, LA - 2
J Dove, Cooper, TX - 3
Dave Mock, Grand Prairie, TX - 3
Roger Shank, Rockwell, TX - 3
Kenneth Whipple, Belton, TX - 4
Robert Bruton, Harlingen, TX - 6
Sam Hominick, Corpus Christi, TX - 6
Bob Bailey, Kingwood, TX - 8
Phillip Easterling, Houston, TX - 8
Rickey Griffin, Houston, TX -8

July 2012
Tom Chauvin, Bedford, TX - 1
Joe Leising, Hurst, TX - 1
Bob Thiele, Cedar Park, TX - 4
Margaret Baker, Lubbock, TX - 5

August 2012
Judy Fitzgerald, Benbrook, TX - 1
Kenneth Fitzgerald, Benbrook, TX - 1
David, Read, Ponchatoula, LA - 2
Ingeborg Trost, Richardson, TX - 3
David Davis, Buda, TX - 4
Suzanne Carpenter, San Antonio, TX - 6
Brett Bauman, Sugar Land, TX - 8
Thomas Wayburn, Houston, TX - 8

Up the Tracks Events Calendar for the LSR

September 2012

By Bill Dryden

Here are upcoming events within the LSR of which I am aware. I will provide all the information YOU send me or I can glean from other publications, websites, etc., for these events. Additional information may be available through the NMRA Scale Rails and/or various trade magazines or various websites. Also, note that all show times and dates are at the discretion of the sponsoring organization and are subject to change. Please forward any and all information about upcoming events or activities in your area, club, etc., to me via e-mail at **bdr149@airmail.net**.

Lone Star Region 62nd Annual Convention (2013)

The Lone Star Region NMRA 62nd Annual Convention will be held in Irving, May 29–June 2, 2013.

Check the LSR website http://www.lonestarregion.com/convention.shtml

Come all!! PARTICIPATE!!!

RECURRING EVENTS AND MEETINGS

LSR Division 3 - Northeast Texas Division - Garland

Nicholson Memorial Library, 625 Austin St., Garland, TX . Third Saturday of each month. For more information contact Jerry Hoverson at jhoverson@tx.rr.com or check the Division 3 Page on the LSR website

Alamo Model Railroad Engineers - San Antonio

The Alamo Model Railroad Engineers meets the 2nd Friday of the month at 7:30 p.m. in the Zucht Building at the Texas Transportation Museum, 11791 Wetmore Rd., San Antonio TX. For more information call Peter Shavney (210) 317-3661 or Gene Turner (210) 355-2777; or visit the web site www.alamomodelrailroadengineers.com.

Houston Area Live Steamers

HALS has over 9,000 feet of track for you to enjoy and ride on most any Saturday of the year. Someone is usually there every Saturday with special run, operations, waybills/timetable, work and fun run days scheduled throughout the year. Our public run days are the third Saturday of the month March through November. Come see our 2,500 foot expansion in Phase 4. Model Railroaders (any scale) are welcome to attend most any time. Check our web site out at www.hals.org for schedule of events or e-mail Peter Bryan at peterb@pdq.net for more information.

North Texas Council of Railroad Clubs - Irving

The North Texas Council of Railroad Clubs (NTC) meets the third Tuesday of the month. Visit the website www.dfwtrainshows.com for more information about the NTC, its meeting site or member clubs.

EVENTS AND SHOWS

September

15th – 16th 30th Annual Temple Model Train Show. Sat. 10:00 a.m. to 5:00 p.m., Sun. 11:00 a.m. to 5:00 p.m. Adults $5, $1 Discount for Seniors and Active Duty Military and Dependents with ID, Children 12 and under free with adult. Frank Mayborn Convention Center, Temple, TX. For more information: www.centramod.com.

November

10th – 11th North Texas Council of Railroad Clubs 28th Annual Fort Worth Train Show. Sat. 10:00 a.m. to 5:00 p.m., Sun. 10 a.m. to 4:00 p.m. Adults $8, Children 12 and under free with adult ticket; Boy Scouts and Boy Scout Leaders free. Amon G. Carter Exhibits Building, Will Rogers Memorial Center,3401 W. Lancaster Avenue, Fort Worth, TX. For more information: www.dfwtrainshows.com.

December

8th 15th Annual Open House – Stan Pirzchalski's MDAK Layout. Sat. 1:00 p.m. to 6:00 p.m. Admission is a donation of can goods or an unwrapped child's toy. 4832 Lakeside Drive, Colleyville, TX.

January 2013

5th – 6th World's Greatest Hobby Train Show Fort Worth. Sat. 10:00 a.m. to 6:00 p.m., Sun. 10:00 a.m. to 5:00 p.m. Adults: 2 Day registration $12, Saturday only $11, Sunday only $10, Kids under 16: FREE! (must be accompanied by a parent). Will Rogers Memorial Center,3401 W. Lancaster Avenue, Fort Worth, TX. For more information: http://www.wghshow.com/schedule.html.

19th – 20th North Texas Council of Railroad Clubs 28th Annual Dallas Area Trains Show. Sat. 10:00 a.m. to 5:00 p.m., Sun. 10 a.m. to 4:00 p.m. Adults $8, Children 12 and under free with adult ticket; Boy Scouts and Boy Scout Leaders free. Plano Centre, 2000 East Spring Creek Parkway; Plano, TX. For more information: www.dfwtrainshows.com.

April 2013

6th – 7th New Braunfels Railroad Museum 26th Annual Train Jamboree. New Braunfels, TX.

Please consider our deadlines for submittals and publications to allow adequate lead time to correctly announce your event - Column submission deadlines are the 15th of January, April, July and October; publication of the* Marker Lamp *is the middle of the following month.

Remember

the next Marker Lamp
will be digital
check the LSR website
www.lonestarregion.com
on or about
February 15, 2013

Cowcatcher Division 1

by Chris Atkins
Email: chris@railroadermodelers.com
Phone: 214-222-1285
Web:http://cowcatcherdivision.com

Hi gang, I hope the cooling weather finds you working hard on your layouts.

As I write this, we've just had a very successful show at the Lockheed-Martin Recreation Association Club in Ft. Worth. Thanks to all that came to the show and helped out. We signed up several new members to the NMRA. Some of these are experienced modelers who have a lifetime of experience to share, while others are new to the hobby and are looking for mentorship. Please welcome them all aboard when you meet them at the hobby shop or next division meeting.

Speaking of meetings, we had a very good gathering in September at the Texas Western Club in Ft. Worth. I gave a presentation on a division project that I've started in preparation for the convention next summer in Irving. Since the theme of the convention will be operations, I've started building a portable switching layout inspired by David Barrow's South Plains Industrial Switching Layout that was brought to the 2007 LSR convention in Round Rock by Mike Barrett. The layout was featured in a series in Model Railroader in 1996. More information about the South Plains about can be found at http://www.blackbearcc.com/SoPlains.htm

We'll have another chance to grow our membership at the upcoming Ft. Worth Holiday Train Show on Nov. 10-11. Please come by the table and help out if you can. It is always fun to meet other model railroaders and talk trains. The same is true of the Plano Show in January. We will need people to present clinics in Plano.

Just like years past, both of these shows are important to the division because as a member of the North Texas Council of Railroad Clubs, we have a financial interest in the success of the shows. Beyond that, local train shows are an excellent opportunity to meet new modelers and share the benefits of joining the NMRA. We have a booth at both shows and last year, we had a lot of success recruiting new LSR members at the Plano Show. You can get the latest information about the Ft. Worth and Plano train shows at http://facebook.com/dfwtrainshows.

The next meeting of the Cowcatcher Division will be Nov. 17th from 10AM until noon in room 1 of the Lockheed Martin Recreation Area Administration Building at 3400 Bryant-Irvin Blvd., Ft. Worth, TX 76019. The clinic will be focused on people new to the hobby - which includes many of the new members. We will also have our usual popular vote model contest, so bring your favorite model. This time, bring something that you think is something a beginner could accomplish.

I hope to see you all at the next meeting. If you have any questions or suggestions, you can contact me at chris@railroadmodelers.com. More information can be found at http://cowcatcherdivision.com

Bayou Division 2

by Rod Fredericks
Email: fredericks.rod@gmail.com
Phone: 225-766-8014

After another sweltering summer, the weather here in southern Louisiana has finally eased off, a little at least. For me, this means a chance to do some needed chores outside, and unfortunately, a little less time to work on model railroading. Or maybe it just means a little more multi tasking, like chores during the day, and later nights in the train room.

Speaking of model railroading, I've continued my tour of local layouts with a visit to Jimmie Boudreaux's model railroad here in Baton Rouge. What a fine railroad indeed. The scenery and detailing are first class and everything is neat as a pin. This is especially unique in that although he has been model railroading for some time, Jimmie has only recently joined the NMRA and our Mid-South Model Railroad Club. Jimmie hit the ground running at the club too, and has started enhancing the scenery of some areas of our layout.

Other work at the club is also progressing well. Thanks to Lee Sykes, Tom Kelly, Casey LeBlanc and Alan Free, an ethanol plant is under construction and a major revision of the surrounding track work is completed.

The CTC signaling system continues to progress as well, because of the work of our multi-taskers Casey LeBlanc and Alan Free. The fifth node almost completely wired and ready to go into operation, and Mickey Guidroz and I are working on the parts and assemblies for Node 6. The CTC uses Bruce Chubb's SMINI nodes and some "home brew" circuits of our own, and is interfaced and runs with JMRI software.

Our October bi-monthly operating sessions, which is open to operators outside the club, was run last Saturday. We do have to limit the number to 20 operators (including club members). If you are interested in attending one of these Saturday afternoon sessions, drop our club's operations chairman, Art Houston, an email (ahouston3@charter.net) to get on the list.

On a personal note, work continues on my home layout. The last of the track on the upper level is finally completed. Now I'm wiring the turnouts and uncouplers, with an eye on building the turntable next.

So that's all for now. Happy model railroading.

Trinity River Division 3

by Jerry Hoverson, MMR
Email: jhoverson@tx.rr.com
Phone: 972-540-5315

Welcome to your last hard copy of the *Marker Lamp*. Not to worry, however, you will still be able to keep in the know by reading the *Marker Lamp* online by going to lonestarregion.com and clicking on the "*Marker Lamp*" link.

There have been some changes taking place in our monthly meetings. First of all, we've started going to the **South Branch of the Library** now and are really happy with the room and the help we're getting from that branch personnel. The South Branch is locate at **4845 Broadway Blvd. in Garland**. We're still meeting on the third Saturday of every month and have been seeing increased attendance. We're actually up to 45-50 every month.

In addition, we're now doing regular short sections besides our regular clinics, show-n-tell and Deal-or-Dud. There's now a monthly DCC Corner with Leonard, 'Round Town with Roy, Duane's Tips & Tricks, and a Question and Answer Forum. Many thanks to Leonard Siemantel, Roy Stockard, and Duane Richardson for jumping in each month and making this happen. I also want to thank my 2 wingmen for all the help they give and being there all the time, Larry Swigert and Mike Jobe.

Since the last *Marker Lamp* our clinics have covered, Trees, Trouble Free Rolling Stock presented by Ken Klaviter and Making Styrene look like aged Wood by Bob Brendle. There's lots more to come so make plans to join us each month.

Take care all and keep "working on the railroad" but most of all get involved with the division and have some railroading FUN!

Cen-Tex Division 4

by Jack Merkel
Email: ElmerMerk@aol.com
Phone: 512-355-3289

We held a Division 4 meeting on Saturday, Sept 22 at the Round Rock City Library. Riley Triggs presented a clinic titled "The Continuous Model Railroad" – how to model more railroad than your room can hold. Riley has a very interesting concept on ways to model hundreds of miles of a prototype railroad in a modest sized space. We had our normal show and tell table with a variety of items presented. Tom Pearson presented his DCC minute on bus wiring. We then had our social time and Deal or Duds program. After the meeting, we toured Bill McCall's Denver, Santa Fe and Rio Grande RR.

Our next Division 4 meeting will be on Saturday, Nov 17 at the Round Rock City Library beginning at 12 noon. Frank Peacock will present a clinic entitled "Introduction to the Petroleum Industry". We will have our normal show and tell table. Bring your projects to the meeting at any stage of construction. Tom Pearson will present his DCC minute. We will have our social time and Deal or Duds program. After the meeting, we will tour Frank Glatzl's Burlington Northern RR. Tour directions will be available at the meeting. The library is located at 216 E. Main St. in Round Rock. On I-35, exit at RR 620 (Exit 252B) and proceed East on RR 620 for a few blocks to the intersection with Main St. and continue East on Main St. for another block and half to the library.

The NMRA/LSR was represented at the CentraMod train show in Temple in September. We have a poster board describing the benefits of joining the NMRA. We signed up 9 new members at this show.

We will also be present at the Austin Jamboree which will be over by the time you read this.

I should note that Thomas the Tank Engine appeared in Burnet on Saturday, Sept 29. Two of my grandchildren had a nice time visiting with Thomas and his crew and riding the train.

On the operating front, David Barrow, Pete Guy, David NiCastro, Phil Sharpneck and myself continue to hold routine operating sessions.

Until next time, try an operating session. You will like it!

Division 5

by Dave Lamberts
Email: DavidWL1944@aol.com
Phone: 806-792-7244

The 24th Annual National Cowboy Symposium & Celebration (NCSC) was held September 6 - 9, 2012, at the Lubbock Memorial Civic Center in Lubbock, Texas. The purpose of the NCSC is to celebrate and preserve our Western heritage and cowboy culture for those who know and love it, and to introduce new audiences to the heritage and culture so they may embrace it as well. The event schedule includes entertainers, poetry and storytelling, western writers and author's panels, film and movie seminars, a Youth Wild West Day, horse-handling demonstrations, a horse-themed parade, Native American Indian activities and presentations, the ever-popular Chuck Wagon Cook-off, and exhibits of Western artworks and merchandise. Currently, the 2012 NCSC is slated to feature more than 80 cowboy and cowgirl poets, 70 or more musical acts, 30-plus storytellers, some 200 exhibit spaces filled with the best in Western art and goods, more than 20 chuck wagons, and other special presenters and presentations.

Every year for several years the Lubbock Model Railroad Association has taken part in the NCSC. We set up various modules in a large room they dedicate to us.

It always generates a lot of interest and is a great was to let people know about our club. We always pass out dozens of our "business" cards.

On October 27 we will host our annual Playday at the Hope Lutheran Church where we hold our club meetings. We try and get as many modules as the room holds up and running. This year the admission is free, but donations will be accepted for the Susan G. Komen for the Cure.

Division 6

by Tom Crosthwait
Email: t.crosthwait@sbcglobal.net
Phone: 210-647-3261

As you know in Texas, especially south Texas, the yard usually needs mowing until almost Christmas. So, those outside chores that our northern friends put away for the winter and go inside to work on the layout, continue to occur for us. I hope that you find time to spend in your train room pursuing the hobby.

San Antonio N-Trak has found a new home. They are now located on the northeast side of San Antonio off Interstate 35 on Landmark 35 Drive. If you are interested in visiting some really nice "N" scale modeling, look them up on their website, just Google SANTRAK.

SANTRAK's 4th Annual Train Show will be held at the New Braunfels Civic Center on Saturday and Sunday, November 10 and 11, 2012.

SAMRA still moves steadily along in building the San Antonio & Northern RR in the Bob Clarke Rail Heritage Museum. Operations take place three times each month and "fun run" operations take place twice each week. SAMRA's calendar is full each month of activities for its members.

SAMRA's 37th Annual Model Railroad Jamboree will be held at Live Oak Civic Center on January 26 & 27, 2013.

Alamo Model Railroad Engineers, AMRE, held their annual show at the Live Oak on October 6 & 7.

I had the opportunity to take part in the Model Train Show held at the Galveston Railroad Museum during the weekend of October 6 & 7. This was the first show since Hurricane Ike put seven feet of water and mud in the museum in October of 2008. Of course lots of damage occurred but the members of that museum have done a marvelous job of putting everything back in order. This is a quality museum with static one to one displays, model trains and sounds of an active facility all housed in the Santa Fe Depot on Galveston Island.

Division 7

by Don Kimmell
Email: elf4kcs@mac.com
Phone: 318-798-7718

Greetings from fall'ish North Louisiana, and yes we are starting to see some color!

First off, a reminder, that this will be the Last printed copy of the *Marker Lamp* you will receive. I am sure Bill or Tom will also mention this also. If any of my division members want a "printed" copy, I will print one out and mail it to you. So just let me know, OK?

Being that time of the year, the Elves have been busy getting this year's KCS's Holiday Express ready. The cars all have new wheels and trucks-yes, the real railroad also replaces/refurbishes the trucks, just like we do! It is kind of funny; everything now has a bar code on it, long live scanners. We have added some new power, and had a couple loco reworked (scale models) to get everything up to snuff. No major additions to any of the 3 layouts planned, just the usual R&M.

OK, now here is the "local" schedule:

Date	Time	City	Address
23 Nov	4pm	Jefferson, TX	Downtown, E. Austin & Lafayette
24 Nov	4pm	Greenville, TX	2801 Stuart Street
25 Nov	4pm	Wylie, TX	Oak Street
26 Nov	4pm	Pittsburg, TX	Texas Street
27 Nov	4pm	Ruston, LA	206 West Railroad Ave
28 Nov	4pm	Monroe, LA	212 Walnut Street

Then it is off to Mississippi for 4 stops, prior to coming back to Shreveport on 3 December, at the KCS yard, gate 5, 4500 North Lakeshore Drive. Then off to the cold north. The rest of the schedule is available at the KCS website. A bit of a "short" run this year, 23 cities over 25 days. Hope to see you!

The folks down in Alex, have been busy. The Treehouse Children's Museum's Rockwell Railroad Crew did two Jr. Engineer projects this summer. They build an HO layout from scratch (4'x7') with children age 7 to 12 (4 to 5 kids in a group), then, they sell it to raise money for the Museum. What a great way to interest kids in our hobby! Of course they are maintaining the big layout in the museum, installed some new switches, a new Digitra loco-net and new plug-in jacks.

Also, down that way, we have a new Railroad Hobby shop, Uncle Louie's Toys & Trains, 5902 Shreveport Hwy, Pineville, LA 71360, 318-787-2098. So if you are in the neighborhood, stop by and say hello.

That is about it form here, on a personel note, my wife and I just finished a complete gut/remodel of our kitchen, so I have not had too much time (or money) to play trains, but I am looking forward to a fun winter!

Go play trains.

Texas Gulf Division 8

by Leslie Bodak
Email: lbjbodak@gmail.com
Phone: 281-486-0709

No Report Received

Pike Ads

AMARILLO RAILROAD MUSEUM

We meet Thursdays 7 to 10PM, and the 2nd and 4th Saturdays of the month (10 AM to 4 PM). Business meeting, 1st Thursday of the month. Memberships open. From I-40, take the Lakeside exit (#75). Go north on Lakeside 2.2 miles to U. S. Highway 60. Turn right, go east 3.9 miles east, Turn right on I Ave., look for the yellow building with a red roof.
P. O. Box 31105, Amarillo, TX 79120 (806) 335-3333.
www.amarillorailmusuem.com

MILWAUKEE SOUTHWESTERN

"THE LINDAS"
WACO, TEXAS

South Texas Terminal Ry.
THE HARRISBURG LINE
Dave Milton — Houston

WEST VIRGINIA WESTERN
"THE SHINE LINE"
HOUSTON, TEXAS HO & 11/2" SCALE

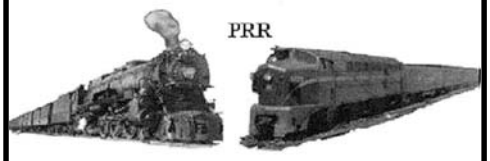
Lakewood, Spring & Longhorn Railroad
Class 1 Railroad specializing in Hazmat & Oversize Loads
C. E. Richmond, CEO & President
Carolyn Richmond, Treasurer

THE SOUTH SIDE AND RIO MESA
Dallas, Texas
SOUTH SIDE RAILROAD MODELERS
An HO club layout being built to operate! Featuring DCC, signaling, train detection, computerized dispatching and car forwarding.
We currently have openings for all interests and skill levels. Join us Tuesdays at 7:30 in the historic Sears Catalog Warehouse - now the South Side on Lamar Building just south of the convention center in downtown Dallas.
www.railroadmodelers.com

Rock Island
Graham Branch
Southern Division
"Serving Jacksboro Since 1898"
Elbert Smith, Supt.
Garland, TX
972-681-0117
barbel_518@sbcglobal.net

DAWCHA SOUTHERN RAILWAY CO.
IRON HORSE ROUTE
CHARLIE SPANGLER, PRES. 830-885-4515
2351 Rolling Creek
Spring Branch, Tx 78070-5656

Gulf & Denver Railroad Authority
Home of the
Gulf & Denver Railroad
St. Charles & Western Railroad
Port Allen Terminal Railroad
Lone Pine & Eagle Pass Rwy.
LOCKHEED MARTIN RECREATION ASSOC.
RAILROAD ACTIVITY
FORT WORTH, TEXAS
Railroad Activity http://www.lmra.org/activity.html

THE ALLEGHENY RAILROAD
HORSESHOE CURVE
ALTOONA
PRR

Jerry Schoenberg
Carrollton, Texas (972) 242-9053
arrjerry@aol.com

The Greater Baton Rouge Model Railroaders
www.dovetailstudio.com/trains

Galveston Model Railroad Club and Museum
314 27th Street
Galveston TX 77550

SC&W
Gilbert Freitag Houston, Texas

NEVADUN RAILROAD
Jim Packer
Colleyville, Texas 76034
817-514-7291
E-mail - jim.packer@sbcglobal.net
Website - WWW.NEVADUNRAILROAD.COM
RND R

SAMRA
San Antonio Model Railroad Association
Located in the Bob Clarke Heritage Rail Museum
4000 Sq. Ft. Layout and Museum
7702 Narrow Pass, Live Oak, Texas 78233
*****
Meetings are 2nd Friday of every month, 7:30pm
*****
Two Big Train Shows Every Year in January and July
*****
Visit www.samratx.org for details and to order San Antonio & Northern LSR Commemorative Boxcars
Or call Ron Nagel 210 651-5188

Ruptured Duck & Dafler R.R.
1 1/2" Scale 7 1/2" Gauge
James C. Dafler P.O. Box 481
Devine, TX 78016 830-663-5786
email rdanddrr@att.net

MID SOUTH RAILROAD CLUB
BATON ROUGE, LA
MEETINGS: EVERY TUESDAY @ 7:00PM
HO WALK AROUND WITH NCE-DCC
JWG3RD@AOL.COM

Dealer Ads

G & G MODEL SHOP, INC.

2522 Times Boulevard • Houston, Texas 77005

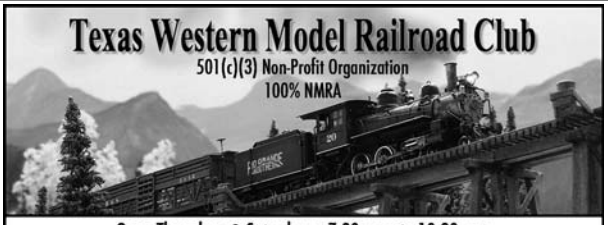
(713) 529-7752

Pike Ads

Texas Western Model Railroad Club

501(c)(3) Non-Profit Organization

100% NMRA



Open Thursdays & Saturdays: 7:30 p.m. to 10:30 p.m.

6807 Anglin Drive • Forest Hill, TX 76140 • info@twmrc.org • www.texaswesternmrc.org

- Membership Open
- 4,500 sq. ft. HO & HOn3 Layout
- Clinics, Operations, Socials, Road Trips
- Store: http://shop.twmrc.org

Tall Pine Lumber Company RR

West Coast Logging in On3

Chuck & Laurie Lind

3680 County Road 324

Navasota, Texas 77868

979-219-3305

Delta & Canyon Southern RailRoad

A Union Pacific Subsidiary Established June 3rd, 1955

Dick Schneider

CEO & General Manager

418 Crossbow Dr.

New Iberia, LA 70563

TRAINS42@aol.com (337) 364-6931

VGN

The Virginian Railway

Now being built through The Appalachians in O Scale

Michael Ross

Fort Worth, TX

www.vgnrailway.com

Pennsylvania Railroad

Laurel Valley Secondary

Pittsburgh Division Circa 1957

Brady & Jane McGuire, Sherman, Texas

903-868-2726

Southwestern Pennsylvania in Texas O Scale

PURGATORY & DEVIL RIVER RAILROAD

SERVICE TO THE HIGH COUNTRY

MOUNTAIN RAILROADING IN HOn3

http://www.purgatoryanddevilriver.com

PAUL RICHARDSON, MMR - PURGATORY DIVISION

DUANE RICHARDSON, MMR - EL LOBO DIVISION

BC&G

BAYOU CITY & GULF

www.houstonNcrowd.org

GRIZZLY RIDGE R.R.

1881 Grrr 1889

The Bear-ly Make It Route

A 6' Division of the

Ark-La-Tex Modular Club

Tom White Haughton, La.

GNAW BONE & WESTERN

G&B

The Kentuckiana Line

Jim Long Pearland, Texas

CHICAGO, FRENCH LICK & NEW ORLEANS R.R.

The Scenic LineThrough Southern Indiana

Jim Long Pearland, Texas

ACME & MINERAL CITY RAILROAD

Bill Dryden

469-964-8571

Georgetown, Texas

bdrl149@airmail.net

Life Member NMRA & LSR

APN Railroad

All Points North

Model Railroad Club

Conroe, Texas

Newly expanded 5,000 sq. ft. clubhouse

www.allpointsnorthmrrc.org

The TEXAS CENTRAL

The eyes of Texas Are Upon You!

Lone Star Route

Bob Batson

1914-56th Street

Lubbock, TX 79412

FARMERS GRAIN & TERMINAL

SHORTLINE RAILWAY

TIMETABLE No. 12

CHURCH LANE — COMMERCIAL ST.

W. J. Zahn, PRES. - GEN. MGR. A. C. Zahn, TREAS. - DINING SUPT.

Tara Dawn Walker, FRT. & PASS. AGENT

Traffic Dept: 270-0702

MAPLE VALLEY RR

Chuck & Karen Wilson

506 Innwood Drive

Georgetown, TX 78628-7606

Email:chuck@mvrr229.com

512-931-2715 Cell 512-694-1827